



Welcome to your Discovery Box

Here you will find an array of exciting activities and fun facts to prepare you for your next unit of study.

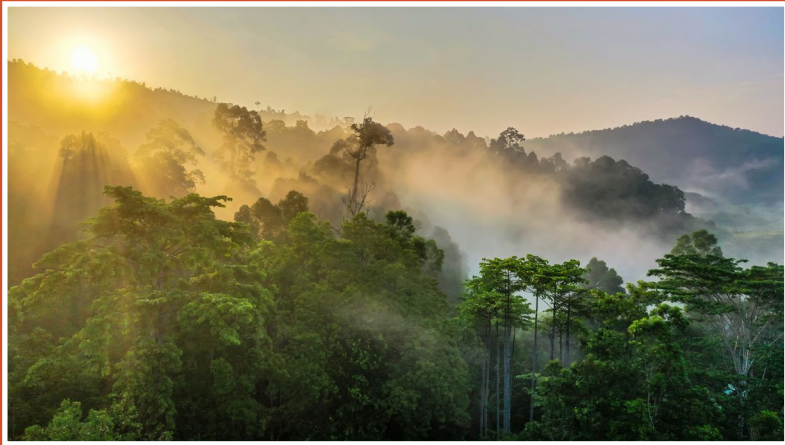
Inside this Discovery Box you will find:

- fun facts and information
- craft activities
- puzzles and games.

We hope you find these activities engaging and entertaining but most of all that they make you **curious** to learn more.

Fun facts about rainforest biomes

So many different species of plants and animals can be found in the tropical rainforest biome. Tropical rainforests are home to more plant and animal species than anywhere else in the world.



Tropical rainforest biomes are found in the equatorial climate zone—around the centre of the Earth. They are able to support such diverse plant and animal life because they have warm temperatures and lots of rainfall all year around. The heat and rainfall mean many plants can grow and then support the range of different animals by providing food and shelter.

Another amazing fact about tropical rainforests is that, because there are so many plants and trees, only a tiny amount of sunlight reaches the ground! Rainforests receive approximately 12 hours of sunlight each day but huge trees (some are 150 feet tall—you are probably around 4 feet tall), with their many leaves, block out the sunlight. This means that the ground is very dark and the perfect place for fungi and microbes to grow.





Can you solve this word search?

Climate zones and biomes

T	C	L	I	M	A	T	E	O	H	O	T	D	E	X	Q	D	O	G	L
D	S	S	J	U	N	P	X	A	L	H	S	E	C	V	J	Z	R	C	A
E	X	E	F	J	L	O	J	C	C	I	B	E	M	O	Z	A	D	Y	C
C	R	A	R	A	D	A	P	T	A	T	I	O	N	P	S	L	B	B	I
I	U	A	R	O	B	U	E	P	D	V	B	Z	J	S	E	A	B	S	P
D	O	R	L	I	F	T	R	E	S	E	D	N	L	F	O	R	L	M	O
U	B	B	A	O	D	N	F	W	L	A	F	A	Y	E	B	P	A	F	R
O	O	S	R	O	P	Q	I	A	M	O	N	X	F	J	L	W	G	T	T
U	R	Q	Y	A	V	B	I	A	R	D	A	Y	D	A	B	H	L	L	E
S	E	E	B	R	L	R	U	E	R	Z	E	X	T	E	Y	W	R	Z	N
H	A	V	F	W	O	O	S	S	M	L	N	Z	X	U	I	P	A	N	H
U	L	K	J	T	L	T	P	R	H	O	A	L	D	N	N	R	Y	A	H
W	X	L	A	R	R	A	P	A	H	C	R	C	L	H	O	D	N	P	R
L	H	U	T	D	P	O	F	E	L	G	R	J	I	L	H	N	R	X	Z
G	Q	S	J	N	G	C	L	B	R	X	E	W	F	P	A	K	Y	A	O
E	R	O	S	R	O	S	K	J	J	B	T	D	Z	V	O	G	J	E	O
E	R	J	D	T	S	T	K	Y	A	K	I	Y	A	Z	D	R	H	M	R
A	W	Z	J	X	P	A	B	X	N	O	D	S	Q	Q	Y	O	T	O	X
D	V	Z	Q	G	R	E	F	J	M	W	E	C	C	F	Z	A	S	I	I
A	C	I	O	O	D	N	A	Y	P	K	M	F	A	U	N	A	R	B	K

ADAPTATION
BOREAL
DECIDUOUS
FAUNA
GRASSLAND
SAVANNAH
TROPICAL

ARID
DESERT
FLORA
MEDITERRANEAN
SUBPOLAR
TROPICAL RAINFOREST
BIOME

CLIMATE
EQUATORIAL
FOREST
POLAR
TEMPERATE
TUNDRA

Design your own tundra animal

The tundra has extremely long, cold winters and short, cool summers. There is little rainfall, little sunlight and the ground is permanently frozen. Not very many plants are able to grow and animals have adapted to live in the harsh conditions. Can you design your own animal that could live there?



DiscoveryBox

Blackberries, blueberries, raspberries and apples all grow wild in the deciduous forest. These look very similar to those you find in the supermarket but are often much smaller. They grow on shrubs and trees and are the favourites of bears and birds. Can you make your own delicious blackberry and apple crumble?

Apple and blackberry crumble

Time: 55 minutes
(30 minutes cooking)

Ingredients:

450g fruit (blackberries and cooking apples)
300g plain flour
250g caster sugar
200g butter
Large oven-proof bowl
Cream or ice cream for serving



Method:

1. Preheat the oven to 180°C/Gas Mark 4.
2. Ask a grown-up to help you peel, core, and chop the cooking apples.
3. Put the apples and blackberries in the oven-safe bowl and add 50g of the sugar. Then mix it together.
4. Put the flour in a different bowl, add the butter, and rub in until it looks like breadcrumbs.
5. Mix in the rest of the sugar.
6. Sprinkle the mixture on top of the fruit and bake in the oven for about 30 minutes, or until golden brown. Get a grown-up to help you get the crumble out of the oven, as it will be very hot!
7. Let it cool for a bit and serve with a dollop of thick cream or ice cream—yummy!

